

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year)

13 November 1998 (13.11.98)

International application No.

PCT/US98/03800

Applicant's or agent's file reference

C0464-175252

International filing date (day/month/year)
17 March 1998 (17.03.98)

Priority date (day/month/year)
18 March 1997 (18.03.97)

Applicant

HASKINS, Charles, R.

1.	The designated Office is hereby notified of its election made:
	in the demand filed with the International Preliminary Examining Authority on:
	26 September 1998 (26.09.98)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Ingrid Hours

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

Name and mailing address of the IPEA/US
Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231
Attn: IPEA/US
Facsimile No.

Authorized officer

Paralegal Specialist
IAPD - PCT Operations
(703) 305-3677

Telephone No.

This notification confirms the information given in person or by telephone on:

Only where paragraph 3 applies, a copy of this notification has been sent to the International Bureau.

For details, see Annex B to Form PCT/IB/301 sent by the International Bureau and Volume II of the PCT Applicant's

Guide.

4.

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: GEORGE T. MARCOU KILPATRICK STOCKTON LLP 700 13TH ST., N.W., SUITE 800 WASHINGTON, DC 20005 Applicant's or age

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

(PCT Rule 71.1)

Date of Mailing (day/month/year)

10 JUN 1999

IMPORTANT NOTIFICATION

CITI0058-PCT

International application No.

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US98/03800

17 MARCH 1998

18 MARCH 1997

Applicant

CITIBANK, N.A.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication 2. to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of 3. the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

EMANUEL TODD VOELTZ

Telephone No. (703) 305-9714

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference						
CITI0058-PCT FOR FURTHER AC			otification of Tra ary Examination Re			
International application No.	International filing date (da	y/month/year)	Priority date	(day/month/year)		
PCT/US98/03800	17 MARCH 1998		18 MARCH	f 1997		
International Patent Classification (IPC) IPC(6): G06F 17/60 and US Cl.: 7	International Patent Classification (IPC) or national classification and IPC IPC(6): G06F 17/60 and US Cl.: 705/35, 36					
Applicant CITIBANK, N.A.						
This international preliming Examining Authority and is This REPORT consists of a This report is also accombeen amended and are the	transmitted to the applica	nt according heets of the de	to Article 36.	and/or drawings	which have	
(see Rule 70.16 and Sec	tion 607 of the Administrati	ve Instruction	s under the PCT).	made colore and	readoney.	
These annexes consist of a to	tal of sheets.					
3. This report contains indication	s relating to the following	g items:	-			
I X Basis of the repo	nt .					
II Priority						
III Non-establishmen	t of report with regard to	novelty, inve	entive step or ind	ustrial applicab	ility	
IV Lack of unity of		, ,		and application	,	
V X Reasoned statemen	t under Article 35(2) with a nations supporting such stat	egard to nove	elty, inventive step	or industrial ap	plicability;	
VI Certain documents						
	ne international application		•			
	s on the international applic	ation				
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Date of submission of the demand	Da	te of completion	on of this report			
26 SEPTEMBER 1998		07 DECEMB	ER 1998			
Name and mailing address of the IPEA/U	''-	horized office	г	*		
Commissioner of Patents and Tradems Box PCT Washington, D.C. 20231	rka	EMANUEL T	ODD VOELTZ	Joni	Hill	
Facsimile No. (703) 305-3230	Tel	ephone No.	(703) 305-9714			

International application No.

PCT/US98/03800

I.	Basis o	f the report		
1.	This report	has been drawn on th		teets which have been furnished to the receiving Office in response to an invitation
	under Articl	: 14 are referred to in this	report as "originally filed	I' and are not annexed to the report since they do not contain amendments):
	x	the internation	al application as o	originally filed.
	X	the description	pages <u>1-51</u>	, as originally filed.
			pages NONE	, filed with the demand.
			pages NONE	, filed with the letter of
			pages	, filed with the letter of
	X	the claims,	Nos. <u>1-46</u>	, as originally filed.
	-		Nos. NONE	, as amended under Article 19.
			Nos. <u>NONE</u>	, filed with the demand.
			Nos. NONE	, filed with the letter of
			Nos	, filed with the letter of
	x	the drawings,	sheets /fig 1-30	, as originally filed.
	يت.			filed with the demand.
				filed with the letter of
				, filed with the letter of
	x x	the description, the claims, the drawings,	Nos. NONE sheets/fig NON	<u> </u>
3.				ne of) the amendments had not been made, since they have been considered icated in the Supplemental Box Additional observations below (Rule 70.2(c)).
4.	Addition	al observations, if	necessary:	
	NONE			•
	•			

International application No.

PCT/US98/03800

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

I. STATEMENT			
Novelty (N)	Claims	1-46	YES
	Claims	NONE	NO NO
Inventive Step (IS)	Claims	1-46	YES
• ` `	Claims	NONE	NO
	.	1.46	VES
Industrial Applicability (IA)	Claims	1-46	YES
	Claims	NONE	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-6 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for modeling an investment fund mix to produce a projected guaranteed accumulation investment amount for a user over a predetermined time period equal to at least a preselected guaranteed accumulated investment amount selected by the user comprising designating funds for investment to produce a fund mix, comparing a diversification guideline to the fund mix, completing an information file for the user, determining a pattern of investments to meet the preselected guaranteed amount, applying the diversification guideline to the information file to determine whether the information file meets the guideline, automatically calculating the projected guaranteed amount and comparing the projected guaranteed amount to the preselected guaranteed accumulated investment amount.

Claims 6-8 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for identifying a fund mix producing a projected accumulation investment amount exceeding a preselected amount for a user comprising inputting a time period for producing the maximum accumulation investment amount, inputting a probability of the projected accumulation investment amount exceeding the preselected amount, automatically searching predetermined probability distributions for potential funds for the fund mix, automatically listing a plurality of potential funds by projected accumulation investment amount produced using the predetermined probability distributions for the potential funds, comparing a diversification guideline to the plurality of potential funds and automatically combining a plurality of potential funds meeting the diversification guideline to produce an optimum fund mix that will produce a projected accumulation investment amount exceeding the preselected amount.

Claims 9-23, 41-43, and 45-46 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for projecting an accumulated investment amount for a portfolio having a plurality of funds over a preselected (Continued on Supplemental Sheet.)

International application No.

PCT/US98/03800

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):

time period for a user comprising inputting initial and periodic contributions and fund allocations for the plurality of funds, completing a projection method parameters file in which various parameters are identified including parameters set by the user based upon investment goals selected by the user and automatically performing a projection of the accumulated investment amount for the portfolio having a plurality of funds.

Claims 24-26 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for modeling a fixed retirement income amount for a user over a predetermined time period after a preselected time delay period comprising inputting an issue commission of zero percent, a best estimate for treasury security yields and a plurality of additional basis point spreads, automatically applying an annuity calculator to produce a current projected fixed retirement income amount and automatically repeating steps a and b for a range of treasury security yields and for each of the plurality of additional basis point spreads.

Claims 27-29 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for pricing fund charges for an investment fund equal to at least a preselected guaranteed accumulation amount investment amount over a predetermined time period selected by a user comprising creating a plurality of information sets corresponding to a plurality of potential users, automatically projecting a plurality of monthly charges for producing a plurality of projected guaranteed accumulation investment amounts for each of the plurality of information sets, automatically deducting and accumulating the plurality of monthly charges, for each of the plurality of projected guaranteed accumulation investment amounts, automatically adding the accumulated monthly charge and subtracting the projected guaranteed accumulation investment amount to produce a probability distribution providing a range of net values and selecting one from the plurality of monthly charges that produces zero value for the probability and distribution produced.

Claims 30-31 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for processing a selected guaranteed accumulation investment amount for a user over a predetermined period of time equal to at least a preselected guaranteed accumulated investment amount selected by the user comprising inputting a plurality of funds each of the plurality of funds having a value, automatically generating a fund guarantee statement, automatically generating a probability distribution of projected accumulation amounts, automatically deducting a charge on a periodic basis and automatically generating an electronic fund report.

Claims 32-34 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for combining electronic fund reports for a client for a plurality of funds and a plurality of projections for the plurality of funds where each of the funds has an amount comprising automatically determining whether all of the funds have reported, automatically matching a plurality of transactions to the plurality of funds, determining whether diversification guidelines are met for the plurality of funds and plurality of transactions automatically generating withdrawal and deposit instructions for the plurality of funds and automatically determining whether the total contributions exceed a predetermined amount.

Claims 35-40 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a method for processing for a user a guaranteed accumulation investment amount for a plurality of variable annuities with a fixed retirement income guaranteed amount having a maturation date comprising the steps of inputting user specific data, automatically generating a proposal for a guaranteed minimum benefit rider, automatically generating a contract data page, automatically issuing a contract with a guaranteed minimum income benefit rider, automatically deducting a daily cost charge, receiving transactions for the account, comparing a variable annuity diversification guideline to the received transactions for the account, automatically generating withdrawal and deposit instructions for the received transactions, automatically determining whether the total contributions exceed a predetermined amount, automatically determining the guaranteed accumulation investment amount and automatically periodically transmitting information about the account to the user.

Claim 44 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest A method for determining a reserve for an investment fund mix producing a guaranteed accumulation investment amount for a plurality of users over a predetermined time period, where the investment fund mix includes a plurality of selected funds, each of the plurality of selected funds having a value comprising automatically identifying for each of a plurality of users each of the plurality of selected funds for which the value of the selected funds for which the value of the selected fund is less than the guaranteed accumulation investment amount, automatically summing the difference between each of the plurality of selected funds for which the value of the selected fund is less than the guaranteed accumulation investment amount for each of the plurality of users to produce the total difference and automatically increasing the total difference by a reserve factor.

	NEW	CITATIONS	
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International application No. PCT/US98/03800

Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)				
Continuation of: Boxes I - VIII		Sheet 11		
NONE				
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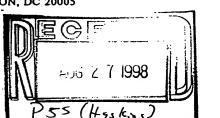
PATENT COOPERATION TREATY

Atiy: 672 Docket/Matter No: CITZOOS

C/U: 9-17

From the INTERNATIONAL SEARCHING AUTHORITY

GEORGE T. MARCOU KILPATRICK STOCKTON LLP 700 13TH ST., N.W., SUITE 800 WASHINGTON, DC 20005



Atty: Gra PCT Action: Reflections Due: 10-24 C/U: 10-17

NOTIFICATION OF TRANSMITTAL OF

P55 (H35 K35)	OR THE DECLARATION (PCT Rule 44.1) Date of Mailing (day/month/year) 2 4 AUG 1998
Applicant's or agent's file reference	2 1 1100 1300
C0464-175252	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date
PCT/US98/03800	(day/month/year) 17 MARCH 1998
Applicant CITIBANK, N.A.	
	search report has been established and is transmitted herewith.
Filing of amendments and statement under Articl The applicant is entitled, if he so wishes, to amend t	le 19: he claims of the international application (see Rule 46):
When? The time limit for filing such amendm international search report; however, for	ents is normally 2 months from the date of transmittal of the more details, see the notes on the accompanying sheet.
Where? Directly to the International Bureau of W 34, chemin des Colombe 1211 Geneva 20, Switzer Facsimile No.: (41-22) 74	ttes land
For more detailed instructions, see the notes on	the accompanying sheet.
2. The applicant is hereby notified that no internationa Article 17(2)(a) to that effect is transmitted herewith.	search report will be established and that the declaration under
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon happlicant's request to forward the texts of both	has been transmitted to the International Bureau together with the has the protest and the decision thereon to the designated Offices.
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the fol	•
the applicant wishes to avoid or postpone publication,	onal application will be published by the International Bureau. If a notice of withdrawal of the international application, or of the provided in rules 90 bis 1 and 90 bis 3, respectively, before the all publication.
Within 19 months from the priority date, a demand for in wishes to postpone the entry into the national phase un	ternational preliminary examination must be filed if the applicant atil 30 months from the priority date (in some Offices even later).
Within 20 months from the priority date, the applicant must all designated Offices which have not been elected in the date or could not be elected because they are not boun	perform the prescribed acts for entry into the national phase before the demand or in a later election within 19 months from the priority d by Chapter II.
Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks	Authorized officer

Box PCT

Washington, D.C. 20231

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GAIL HAYES

Telephone No.

(703) 305-9711

(See notes on accompanying sheet)

Form PCT/ISA/220 (January 1994)*

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference C0464-175252	FOR FURTHER ACTION		Transmittal of International Search Report) as well as, where applicable, item 5 below.			
International application No.	International filing date	(day/month/year)	(Earliest) Priority Date			
PCT/US98/03800	17 MARCH 1998		18 MARCH 1997			
Applicant CITIBANK, N.A.						
according to Article 18. A copy is being This international search report consists	This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. X It is also accompanied by a copy of each prior art document cited in this report.					
1. Certain claims were found	unsearchable (See Box I).				
2. Unity of invention is lacking	ig (See Box II).					
3. The international application international search was carri			amino acid sequence listing and the			
	filed with the international	application.				
l H	furnished by the applicant	separately from the	international application,			
	1 1	•	ent to the effect that it did not include matter			
			ne international application as filed.			
	transcribed by this Author	ny.				
4. With regard to the title,	the text is approved as sub	omitted by the applic	cant.			
	the text has been establish					
METHOD AND SYSTE GUARANTEED MINIM		•	NITORING, AND RESERVING CT INVESTMENTS			
5. With regard to the abstract,						
	the text is approved as sub	mitted by the applic	cant.			
= :		may, within one m	e 38.2(b), by this Authority as it appears nonth from the date of mailing of this o this Authority.			
6. The figure of the drawings to be pa	ublished with the abstract	is:				
Figure No. 2	as suggested by the applic	ant.	None of the figures.			
	because the applicant faile	d to suggest a figure				
	pecause this figure better of					

Form PCT/ISA/210 (first sheet)(July 1992)★

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/03800

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

The present invention provides a method and system for assuring a minimal guaranteed return on long-term investments, such as mutual funds or variable annuities. The invention includes a method and system for pricing, administration, customer presentation, and reserving relating to a guaranteed minimum return assurance (S11). Specific select funds (S1) are designated for investment. If the select funds (S1) meet diversification guidelines (S2), the select funds (S1) are analyzed to determine a pattern of investments which achieve the guaranteed minimum return assurance (S11). In addition, the present invention includes a method and system for allowing individual investors to control and easily change their typical asset allocation strategies and features that allow the tracking of payments, use of reserving techniques, and optimizing investment diversification.

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/03800

A. CLASSIFICATION OF SUBJECT MATTER IPC(6): G06F 17/60 US CL: 705/35, 36 According to International Patent Classification (IPC) or to both national classification and IPC					
	DS SEARCHED				
Minimum d	ocumentation searched (classification system followe	d by classification symbols)			
U.S. :	235/378; 705/35, 36				
Documenta	tion searched other than minimum documentation to the	e extent that such documents are included	in the fields searched		
Electronic d	lata base consulted during the international search (na	ame of data base and, where practicable	, search terms used)		
	evestment# (10a) (monito? or manag? or predic? or trac stment#)), Dialog (enclosed)	ck?)) (p) (data processing or computer or a	automated)) and (select?		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X,P	US 5,644,727 A (ATKINS) 01 July 19 25, lines 33-39, lines 42-45, col. 8, li 55, col. 13, lines 25-29, col. 14, lines 37-40, col. 36, lines 34-42, col. 38, lir col. 41, lines 33-47, col. 44, lines 38-48, lines 45-54, col. 49, lines 34-58.	ines 11-16, col. 10, lines 51- 1-3, col. 30, lines 1-5, lines nes 56-67, col. 40, lines 9-40,	1-46		
Α	US 5,132,899 A (FOX) 21 July 1992,	, see abstract.	1-46		
A	US 5,126,936 A (CHAMPION et al)	30 June 1992, see abstract.	1-46		
A	US 5,214,579 A (WOLFBERG et al)	25 May 1993, see abstract.	1-46		
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X Furth	er documents are listed in the continuation of Box C	See patent family annex.			
'A' do	ecial categories of cited documents: cument defining the general state of the art which is not considered be of particular relevance	"T" later document published after the inte date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand		
	rlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider			
	"L" document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another citation or other				
O do	special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
P do	*P* document published prior to the international filing date but later than *&* document member of the same patent family the priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report					
24 JUNE 1998 , 2 4 AUG 1998					
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230 Authorized officer GAIL HAYES GAIL HAYES Telephone No. (703) 305-9711					

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/03800

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
,E	US 5,761,442 A (BARR et al) 02 June 1998, see abstract.	1-46
	TYSON, Eric. These programs can help you pick the best funds to squirrel away. Money. 19 August 1996, Vol. 25, No. 8, page 19.	1-46
	Asset Allocation programs: A partnership between operations and investments. ABA's Financial Services Industry Trends. January/February 1996, Vol. 54, pages 15-18.	1-46
	Investing through mutual funds: A smart way to allocate assets and diversify. Financial Independence. January/February 1994, page 6.	1-46
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